

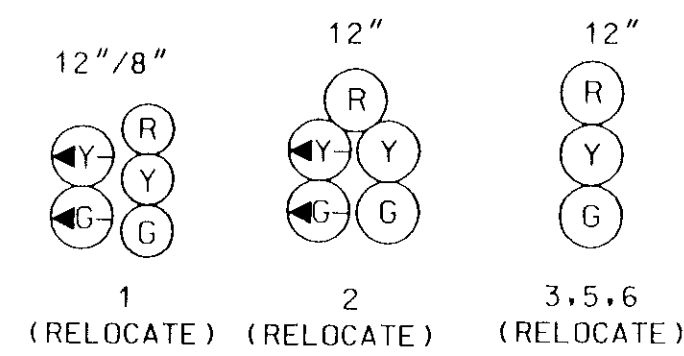
## CONSTRUCTION DETAILS

- A. Install base-mounted cabinet (size 6) and controller.  
(Note: two-4in. PVC schedule 40 conduit bends, one-3 in. PVC schedule 40 conduit bend, and one-2 in. PVC schedule 80 conduit bend).
- B. Install 4 in. PVC schedule 40 electrical conduit - trenched.
- C. Install handhole.
- D. Install 1 in. liquid tight flexible non-metallic conduit for detector wire sleeve.
- E. Install 2 in. PVC schedule 40 electrical conduit - trenched.
- F. Install 4 in. PVC schedule 80 electrical conduit - trenched prior to the installation of road surface.
- G. Install 3 in. PVC schedule 40 electrical conduit - trenched.
- J. Splice existing loop detector to new 2 conductor aluminum shielded cable.
- K. Abandon existing handhole.
- L. Abandon existing conduit.
- M. Abandon existing loop detector.
- N. Install 12 in. x 40 ft. wood pole with back guy (Note: one 3 in. PVC schedule 80 conduit riser).
- O. Install 12 in. x 40 ft. wood pole with back guy.
- P. Install 6 ft. x 30 ft. quadrupole loop detector (2-4-2 turns).
- Q. Install 6 ft. x 6 ft. loop detector (3 turns).
- S. Remove and salvage existing strain pole.

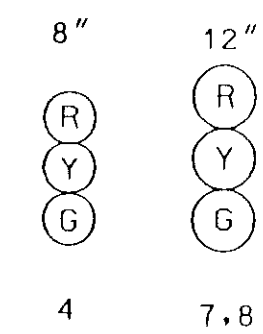
- T. Remove and salvage existing strain pole and lighting arm.
- U. Remove and salvage existing pole mounted controller and cabinet.
- V. Install 3/8 in. steel span wire and proposed signal heads as shown.
- W. Remove existing span wire and signal heads.
- X. Remove existing span wire (Note: Relocate existing signal heads and signs as shown prior to removing span wire. (Recable signal heads as detailed).
- Y. Install 3/8 in. steel span wire and relocated signal heads and sign as shown.
- Z. Install 3/8 in. steel span wire, relocated existing signal heads, signs, and proposed signal head as shown.
- AA. Install 24 in. white permanent preformed pavement marking.
- BB. Install 2 in PVC schedule 80 electrical conduit riser on pole.
- CC. Install 2 in. PVC schedule 80 electrical conduit - trenched.
- DD. Proposed telephone drop for intersection monitor.
- FF. Use existing conduit.
- HH. Use existing handhole.
- MM. Install 1 in. galvanized steel conduit for detector wire sleeve.
- WW. Install 2 in. PVC schedule 40 electrical conduit - trenched. (Note: The contractor shall pick-up existing conduit bend stub-out in the existing pole base.).

MD 202 IS ASSUMED TO  
RUN IN A NORTH/SOUTH DIRECTION

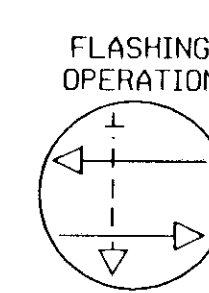
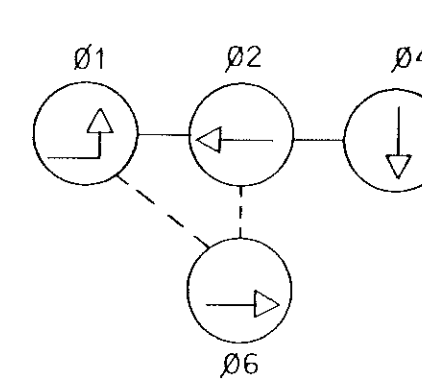
## EXISTING SIGNALS



## PROPOSED SIGNALS



## NEMA PHASING



PHASING NOTES:  
1. PHASES ASSOCIATED BY A DASHED LINE  
WILL OPERATE CONCURRENTLY.  
2. PHASES ASSOCIATED BY A SOLID LINE  
WILL NOT OPERATE CONCURRENTLY.

## EXISTING SIGNS

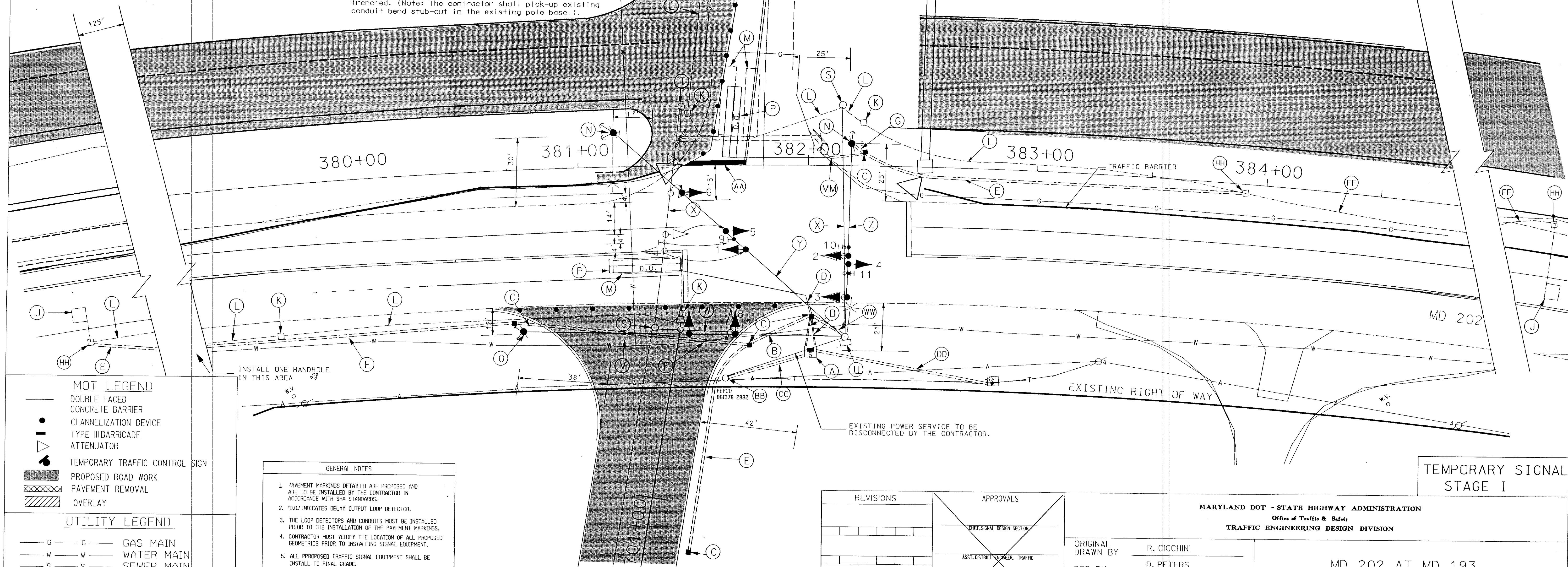
R10-12  
(42"X36")

LEFT TURN  
YIELD  
ON GREEN

Watkins Park DR

9.11  
(RELOCATE)

10  
(RELOCATE)



## MOT LEGEND

- DOUBLE FACED  
CONCRETE BARRIER
- CHANNELIZATION DEVICE  
TYPE III BARRICADE  
ATTENUATOR
- TEMPORARY TRAFFIC CONTROL SIGN

## PROPOSED ROAD WORK

- PAVEMENT REMOVAL
- OVERLAY

## UTILITY LEGEND

- G — G — GAS MAIN
- W — W — WATER MAIN
- S — S — SEWER MAIN
- E — E — ELECTRIC CABLES
- A — A — AERIAL CABLES
- T — T — TELEPHONE CABLES

## GENERAL NOTES

- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SEA STANDARDS.
- "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
- THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
- CONTRACTOR MUST VERIFY THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALL TO FINAL GRADE.
- CONTRACTOR SHALL LEAVE 20 FT OF SLACK-IN CABLE TRAFFIC SIGNAL HEADS.
- CONTRACTOR SHALL REMOVE THE ABANDONED THE ELECTRICAL CABLES FROM SPAN WIRE AND CONDUITS.
- REFER TO MAINTENANCE OF TRAFFIC PLANS FOR TRAFFIC CHANNELIZING DEVICES.

## REVISIONS

NO.	DESCRIPTION	DATE
1	RECONSTRUCT SIGNAL WITH GEOMETRIC IMPROVEMENTS	12/95
2		
3		
4		
5		

## APPROVALS

CHEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

ORIGINAL  
DRAWN BY R. CICCHINI

DES. BY D. PETERS

CHK. BY

DATE: 12/95

SCALE: 1"=20'

F.A.P. NO.

S.H.A. NO.

MD 202 AT MD 193

LOG MILE # 16019319.52

COUNTY: PRINCE GEORGE'S

TS/FILE NO.

2559-XI

SHEET NO.

OF

DCI  
CONSULTING ENGINEERS  
COLUMBIA, MARYLAND